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Docket: 03-104, and 04-37 Broadband over Power Lines

The current NPRM on BPL includes many positive elements, but I believe it still leaves HF radio operators with many interferences issues.

One issue I have not heard a great deal of information on is how an HF radio station's transmitter affects a neighbors BPL service. How are my neighbors not suppose to be upset with me when my radio transmissions interfere with their Internet service? Most end users of BPL service will not understand that BPL is being used under FCC Part 15. That BPL must accept any interference it receives and must not create interference to licensed users. The average BPL user will blame the Amateur radio operator's station. I want to be assured that when I transmit on HF I will not have every neighbor at my door complaining about me wiping out there Broadband service.

Mobile operation is a very key element of the Amateur's ability to respond to civil emergencies. If a mobile station is en route, or at the scene of emergency communications, they need to be guaranteed not to run into BPL interference. At that point it would be to late to resolve interference problems. Some emergency radio services may not even know why the interference is happening or what to do about it. This argues further for both very low radiated limits as well as a very vocal interference campaign by power companies be required so that customers and other potential HF users are alerted to the potential for interference, and how to go about reporting it so it can be resolved.

Pollution of the HF spectrum is a mistake that will have detrimental consequences to national and international radio communications. I believe the idea of using BPL Service in the United States needs to be re-thought. Other countries have already banned the technology because the advantages of bringing broadband to new areas and more competition in the broadband marketplace, do not out weigh the loss of vital HF radio communications. If we were talking about the occasionally used garage door opener interference, or similar occasionally used Part 15 electronic device, it would be a little different. However, we are talking about a service that would eventually be used by the thousands and would be constantly in use. HF propagation is not a constant. Some days with BPL HF radio reception might be fine, the next day I could be receiving noise caused from BPL subscribers a few miles away. After all it doesn't take a great deal of power on the HF radio spectrum for a signal to be heard several miles away. How do you plan on eliminating interference when the source could be from any number of BPL subscriber lines from miles away?

Amateur and Government use of the HF radio spectrum is vital to our countries communication needs. Please continue to protect our radio spectrum from interference.

Thank you for your consideration of these points.

Sincerely,

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